

VII.

- 1) The anticipated average injection rate is 1200 BWPD and the anticipated maximum injection rate is 1500 BWPD.
- 2) This is a closed system.
- 3) Anticipated average injection pressure is 500 psi. The maximum anticipated injection pressure is 1500 psi.
- 4) All injected water will be Penn produced water, i.e., reinjected produced water.
- 5) NA, zone is productive of oil within one mile of the proposed well.

VIII. The proposed injection zone is designated the Bough "C". The lithology consists of a phylloid algal limestone interbedded with thin layers of shale. The Bough "C" is a Cisco age rock found at approximately 9730' and is 120' to 150' thick. The Ogallala is the only source of drinking water in the area and the base is found at approximately 300 feet.

IX. The stimulation program will be a relatively small volume matrix acid job, on the order of 3000-5000 gallons of 15% HCl.

X. This well was originally completed in 1968. I assume logs were sent to the Oil Conservation Division at that time.

XI. There are no known fresh water wells within one mile of this proposed SWD well.

XII. There are no known faults or other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. "Proof of Notice".

Copies of the return receipts will be sent as soon as they are returned. The C-108 applications were mailed to offset lease holders and the surface owner of record on February 12, 1985, via certified mail. Additionally, the affidavit of publication will be sent as soon as it is received. The legal advertisement was scheduled to run February 11, 1985. If additional information is needed, please advise.

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